ARM® Cortex®-M0

32-bit Microcontroller

NuMicro® Family
M071R/M071S Series BSP
Revision History

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Revision 3.00.004 (Released 2026-08-25)

1. Add software disconnect and reconnect API in USBD.
2. Update ISP_SPI sample to add interrupt mask protection for ParseCmd().
3. Add a macro to wait for the I2C bus status to be cleared.
4. Add the macro to the sample code to avoid re-entering the interrupt before the register write is complete, which could lead to an incorrect I2C_STATUS0 value of 0xf8.
5. Add read/write byte related functions to the I2C driver.
6. Disable I2C IRQ until ParseCmd() is completed to prevent ISP from triggering an interrupt and fetching data prematurely.
7. Support VSCode multi-toolchain projects.
8. Add USBD_HID_Mouse2 sample code.
9. Add Schmitt trigger configuration for I2C pins.
10. Add description: GC mode is not supported for device address calling.
11. Revised ISP_I2C Schmitt trigger configuration.

Revision 3.00.003 (Released 2024-11-11)

1. Update USBD HID keyboard sample code to support LED status.
2. Modify to pass USB-IF CV - Chapter 9 & Class test.
3. Fix USBD_MassStorage_CDROM crash on Linux.
4. Modify HID polling interval - bInterval to 10.
5. Add SPI_TRIGGER_TX_RX_PDMA and SPI_DISABLE_TX_RX_PDMA API in SPI driver.
6. Enable LVR in SYS_PowerDown_MinCurrent sample code to prevent power on/off fail.
7. Modify UART_RS485_Master/Slave sample code.
8. Add timeout handler for infinite loop.
9. Fix infinite loop.

Revision 3.00.002 (Released 2023-05-19)

1. Modify VerdorName of Nu_DFU.inf.
2. Set FlashSelect of ISP_DFU sample code to LDROM.
3. Fix SPI_Loopback GCC sample code issue.
4. Fix I2C_EEPROM and I2C_GCMode failed in GCC.
5. Modify startup_M071M.s in IAR/ARM file.
6. Modify sample code for keil compiler 6.
7. Add SYS_PowerDown_MinCurrent sample code.
8. Update SPI_Loopback sample code.

Revision 3.00.001 (Released 2020-07-10)

1. Initial Release.

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